	The Prin	nary Stage of C	Grades (4-5)	
	Sch	hool Year 2022	- 2023	
lame:		Unit (11): Types of Soil Worksheet (1) Grade 5 CP (All sections)		bil
Date: / /				ons)
Objective:				
• Learn tha	at soil can be classi	fied based on the	eir clay, sand and o	organic content.
• •	ver of the soil co atter called? Circ		•	. What is this
. We can cla material it	humus ssify soil accord contains.	<b>loam</b> ing to the amo	<b>silt</b> unt of sand, cla	ly and organic
material it Complete	ssify soil accord contains. the sentences. C	ing to the amo Thoose from th	unt of sand, cla e following wo	rds.
material it Complete t clay	ssify soil accord contains.	ing to the amo Choose from th less	unt of sand, cla e following wo	rds.
material it Complete t <b>clay</b> <b>more</b> Sandy soil is	ssify soil accord contains. the sentences. C fine	ing to the amo Choose from th less sand	unt of sand, cla e following wo humus silt It is very	rds. loose sticky
material it Complete t clay more Sandy soil is Clay soil con	ssify soil accord contains. the sentences. C fine organic made up mostly tains a large am	ing to the amo Choose from th less sand y of	unt of sand, cla e following wo humus silt It is very	rds. loose sticky
Complete to clay more Sandy soil is Clay soil con	issify soil accord contains. the sentences. C fine organic made up mostly itains a large am	ing to the amo Choose from th less sand y of ount of very particles, mine	unt of sand, cla e following wo humus silt It is very	rds. loose sticky

- 3. Loam soil is suitable for growing crops. Why? Tick ( $\sqrt{}$ ) the **two** correct answers.
  - □ It can be found near rivers.
  - □ It contains the nutrients needed by plants to grow.
  - □ It holds water but also allows excess water to drain away.
  - □ It remains wet during wet seasons.
- 4. Various conditions can change the composition of soil.

How does dead plant and animal matter change the composition of soil? Circle the correct answer.

## it makes the soil drier

### it makes the soil harder

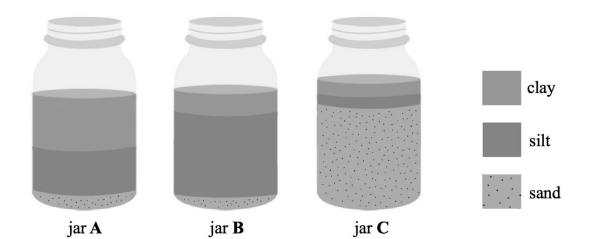
# it makes the soil more fertile

5. A farmer grows corn plants in his field. After he harvests the corn, he replaces the corn plants with soya bean plants.

How does rotating crops help maintain the composition of the soil? Tick  $(\sqrt{)}$  the correct answer.

- □ It adds fertilizer to the soil.
- □ It removes the top layer of the soil.
- □ It returns the nutrients to the soil.

6. Sanad collects soil samples from three different places.He adds each soil sample into a jar and fills the jar with water.He shakes the jars and leaves them aside for one day.The diagrams show the contents of the jars after one day.



(a) Which jar contains soil that cannot hold water? How do you know?

(b)Identify the type of soil in each jar. Use the following words.

	clay soil	sandy soil	silty soil	
Jar <b>A</b> :				
 Jar <b>B:</b>				
Jar <b>C</b> :				

7. Cala grows two plants in different types of soil. She measures the height of the plants every two days. The table shows her results.

Day	Height of plant in soil A (cm)	Height of plant in soil B (cm)
0	2.0	2.0
2	2.4	2.5
4	3.8	4.0
6	4.3	6.9
8	5.6	9.2
10	7.2	12.0

(a)Which of these should Cala do to make her **investigation a fair test**? Circle the correct answer.

### use different kinds of plants

#### use the same amount of soil

#### use the same type of soil

(b) Identify the **dependent variable** in this investigation.

.....

.....

(c) Identify the **independent variable** in this investigation.

.....

.....

(d)What can Cala **conclude** from her results?

.....